Mountain Weather Forecast

Yorkshire Dales National Park

Forecast valid from 00:00 on Thursday 14 Sep 2023 until 23:59 on Friday 15 Sep 2023

Forecast Issued on Wednesday 13 Sep 2023 at 15:23

Confidence: Low confidence regarding position of band of rain across the UK on Thursday, band expected to move south of the Dales before returning north into the evening, which is represented below, however if the position of this rain band is further north there could be more frequent bursts of rain throughout the day across the Dales. Uncertainty continues towards end of the week and into the weekend regarding rainfall amounts.

Headline for Thursday 14 Sep 2023: Outbreaks of rain through the early hours, with some brighter spells developing in the morning and through the afternoon.

Mountain weather hazards on Thursday 14 Sep 2023

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** No Likelihood	**Poor visibility** No Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Heavy Rain	Heavy Rain	Light rain	Sunny intervals	Cloudy	Cloudy	Cloudy	Light rain
Precipitation probability							
70%	70%	40%	20%	20%	20%	30%	50%

Forecast for Thursday 14 Sep 2023

Weather: A band of rain moves south across the area through the early hours of Thursday, brighter conditions then expected to develop through late morning, with the risk of the odd light shower into the afternoon. Band of rain then returns northwards into the evening. Confidence low on details.

Chance of cloud-free hill tops above 600m: 30% first thing, improving to 60% late morning and into the afternoon.

Low Cloud and visibility: Low cloud first thing is likely to cover slopes above 400m, cloud expected to slowly lift and break through the morning with many hills clearing. Patchy cloud may linger across the higher tops however throughout the day.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
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Met Office Mountain Weather Forecast

Forecast for Thursday 14 Sep 2023

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	19/27 S	18/25 SW	16/22 SW	13/18 W	14/19 SW	13/19 SW	7/11 SW	3/5 S	6/8 E
300	11/24 S	10/23 SW	8/18 SW	7/15 W	9/17 SW	9/17 SW	4/10 W	1/4 S	2/6 E
Valley	8/23 S	9/22 SW	6/16 SW	7/14 W	9/17 SW	8/16 SW	3/8 W	2/3 E	3/6 E

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	10/6	10/6	10/7	10/8	12/10	12/9	10/9	10/9	9/8
300	12/10	12/10	12/11	13/12	15/13	15/13	12/12	11/11	11/11
Valley	13/11	13/11	13/12	15/14	16/15	16/14	14/14	12/13	12/12
Freezing Level*	2900m	3000m	2400m	1900m	1900m	1900m	2100m	2200m	2700m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Due to low confidence regarding rainfall amounts it is best to expect good conditions but prepare for the worst, hence waterproofs and good navigational skills are advised in case of deteriorating conditions.

Recent rainfall: measured at Malham: altitude 375m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
14:00 on Tue 12 Sep 2023	10.6mm	14.2mm	14.2mm

Forecast for Friday 15 Sep 2023

Weather: The band of rain to the south of the Dales on Thursday moves northwards overnight to give some heavy, persistent outbreaks of rain through the small hours of Friday morning. Rain expected to remain to the north of the Dales throughout the day, allowing some good sunny spells to develop by late morning. Confidence however remains low on details and rainband may stall over the area and give persistent rain throughout the day, but this currently looks unlikely.

Maximum wind: Southeasterly 10-15mph, gusting 20-25mph.

Chance of cloud-free hill tops above 600m: 30% first thing rising to 60%

Low Cloud and visibility: Initial rain and low cloud giving poor conditions along the tops, with widespread cloud above 400m. This expected to lift and break through the morning to give some good clear skies, however confidence is low on this detail. Poor visibilities in rain and low cloud expected to start, but improving to very good through the morning.

Temperature: **Valleys:** Plus 12 rising to Plus 17 Celsius
At 600m: Plus 9 rising to Plus 13 Celsius
Freezing level: Above summits

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